



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

646.4001  
Job Sheet 190106



Part No: 646.4001

Job Qty: 1 pcs

Part Name: AS350 Cable Cutter System



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 2/5/19

Job Tracking No:

Due Date: 3/8/19

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG REV C1 IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM IPP REV:B 15.01.08 AS PER DWG REV.B  
DD VERF:JLM IPP REV:C 16.01.07 AS PER DWG REV.C DD VERF:JLM

Ship Via:

### Bill of Materials

### Job Routing

| Op No | Operation                      | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier    |           | Sign-off |
|-------|--------------------------------|-------|------------|----------|-----------|---------|------------------------|-----------|----------|
|       |                                |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier  | Lead Time |          |
| 90    | Start up Operation             | 1 Ea  | 2/27/19    | 3/8/19   | 0.00      | 0.00    | Start Up Stores/Pkg-1  |           |          |
| 105   | Packaging 1-1 - Pick Kit - B4B | 1 pcs |            | 3/8/19   | 0.00      | 0.00    | Packaging 1 - 1 - B4B  |           |          |
|       |                                |       |            |          |           |         | Packaging 1 - 2 - B4B  |           |          |
|       |                                |       |            |          |           |         | Packaging 1 - 3 - B4B  |           |          |
|       |                                |       |            |          |           |         | Packaging 1 - 4 - B4B  |           |          |
|       |                                |       |            |          |           |         | Packaging 1 - 5 - B4B  |           |          |
|       |                                |       |            |          |           |         | Packaging 1 - 6 - B4B  |           |          |
| 110   | Packaging 1 - Pick Kit         | 1 pcs | 3/8/19     | 3/8/19   | 0.00      | 0.00    | Packaging1-1           |           |          |
| 120   | QC 4                           | 1 pcs |            | 3/8/19   | 0.00      | 0.00    | QC 4 - 28              |           |          |
|       |                                |       |            |          |           |         | QC 4 - 58              |           |          |
|       |                                |       |            |          |           |         | QC 4 - 69              |           |          |
|       |                                |       |            |          |           |         | QC 4 - 9               |           |          |
|       |                                |       |            |          |           |         | QC 4 - 46              |           |          |
| 130   | Packaging 3-1 - Stock - B4B    | 1 pcs |            | 3/8/19   | 0.00      | 0.00    | Packaging 3 - 1 - B4B  |           |          |
|       |                                |       |            |          |           |         | Packaging 3 - 2 - B4B  |           |          |
|       |                                |       |            |          |           |         | Packaging 3 - 3 - B4B  |           |          |
|       |                                |       |            |          |           |         | Packaging 3 - 4 - B4B  |           |          |
|       |                                |       |            |          |           |         | Packaging 3 - 5 - B4B  |           |          |
|       |                                |       |            |          |           |         | Packaging 3 - 6 - B4B  |           |          |
|       |                                |       |            |          |           |         | Packaging 3 - 7 - B4B  |           |          |
|       |                                |       |            |          |           |         | Packaging 3 - 8 - B4B  |           |          |
|       |                                |       |            |          |           |         | Packaging 3 - 9 - B4B  |           |          |
|       |                                |       |            |          |           |         | Packaging 3 - 10 - B4B |           |          |
|       |                                |       |            |          |           |         | Packaging 3 - 11 - B4B |           |          |
|       |                                |       |            |          |           |         | Packaging 3 - 12 - B4B |           |          |
|       |                                |       |            |          |           |         | Packaging 3 - 13 - B4B |           |          |
|       |                                |       |            |          |           |         | Packaging 3 - 14 - B4B |           |          |
|       |                                |       |            |          |           |         | Packaging 3 - 15 - B4B |           |          |
|       |                                |       |            |          |           |         | Packaging 3 - 16 - B4B |           |          |
|       |                                |       |            |          |           |         | Packaging 3 - 17 - B4B |           |          |

|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           |                        |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------|--------|-----------|------------------------|------------|
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 18 - B4B |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 19 - B4B |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 20 - B4B |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 21 - B4B |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 22 - B4B |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 23 - B4B |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 24 - B4B |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 25 - B4B |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 26 - B4B |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 27 - B4B |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 28 - B4B |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 29 - B4B |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 30 - B4B |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 31 - B4B |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 32 - B4B |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 33 - B4B |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 34 - B4B |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 35 - B4B |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | Packaging 3 - 36 - B4B |            |
| 135                                                                                                                                                                                                                                                                                                                                     | DC - 1 - B4B | 1 pcs | 3/8/19 | 0.00 0.00 | DC - 1 - B4B           | 21<br>9-88 |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | DC - 2 - B4B           |            |
| 140                                                                                                                                                                                                                                                                                                                                     | QC 21 - FG   | 1 pcs | 3/8/19 | 0.00 0.00 | QC 21 - FG - 21        |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | QC 21 - FG - 70        |            |
|                                                                                                                                                                                                                                                                                                                                         |              |       |        |           | QC 21 - FG - 53        |            |
| Part Op <b>110</b> - pick kit<br>Descriptions: <b>120</b> - QC4- 100% Inspect kits for completeness<br><b>130</b> - Identify and pack for shipping as per PPP 646.4001 Location: _____<br><b>135</b> - Document Control - Photocopy bluefile & type labels per PPP 646.4001<br><b>140</b> - QC21- Final Inspection - Work Order Release |              |       |        |           |                        |            |

MAR 2 5 2019

MAR 2 5 2019

## Job BOM

| Part / Item | Component Name                        | Quantity     | Operation             | Container |
|-------------|---------------------------------------|--------------|-----------------------|-----------|
| 600.0129    | VHB Tape                              | 8 ft (8 ea)  | 90-Start up Operation |           |
| 600.0990    | Magnabond 6398 Part A Size 112 ml     | 1 Ea (1 ea)  | 90-Start up Operation |           |
| 600.0991    | Magnabond 6398 Part B Size 112 ml     | 1 Ea (1 ea)  | 90-Start up Operation |           |
| 600.1012    | Sealant PR1425B2 (#654 sem)           | 1 pcs (1 ea) | 90-Start up Operation |           |
| 600.1013    | 021200-3M Tape Primer 94 Primer 24216 | 5 Ea (5 ea)  | 90-Start up Operation |           |
| 646.2910    | Deflector                             | 1 pcs (1 ea) | 90-Start up Operation |           |
| 646.3001    | Lower Cable Cutter Assembly           | 1 pcs (1 ea) | 90-Start up Operation |           |
| 646.3110    | Channel                               | 1 pcs (1 ea) | 90-Start up Operation |           |
| 646.3210    | Support                               | 1 Ea (1 ea)  | 90-Start up Operation |           |
| 646.3301    | Upper Cutter Assembly                 | 1 pcs (1 ea) | 90-Start up Operation |           |
| 646.3510    | Strut                                 | 1 Ea (1 ea)  | 90-Start up Operation |           |
| 646.3511    | Strut                                 | 1 pcs (1 ea) | 90-Start up Operation |           |
| 646.3610    | Filler                                | 1 pcs (1 ea) | 90-Start up Operation |           |
| 646.3710    | Doubler                               | 1 pcs (1 ea) | 90-Start up Operation |           |
| 646.3711    | Clip                                  | 1 pcs (1 ea) | 90-Start up Operation |           |
| 646.3712    | Clip                                  | 1 pcs (1 ea) | 90-Start up Operation |           |
| 646.3713    | Gusset                                | 1 Ea (1 ea)  | 90-Start up Operation |           |
| 646.3714    | Gusset                                | 1 pcs (1 ea) | 90-Start up Operation |           |
| 646.3715    | Strut Doubler                         | 2 pcs (2 ea) | 90-Start up Operation |           |
| 646.3716    | Gauge Bracket                         | 1 pcs (1 ea) | 90-Start up Operation |           |
| 646.3717    | Doubler                               | 1 pcs (1 ea) | 90-Start up Operation |           |
| 646.3718    | Custom Washer                         | 2 pcs (2 ea) | 90-Start up Operation |           |
| 646.3719    | Doubler                               | 2 pcs (2 ea) | 90-Start up Operation |           |
| 646.3810    | Bracket                               | 2 pcs (2 ea) | 90-Start up Operation |           |
| 646.3811    | Radius Block                          | 1 pcs (1 ea) | 90-Start up Operation |           |
| 646.3812    | Gusset Bracket                        | 2 pcs (2 ea) | 90-Start up Operation |           |
| 646.3813    | AS350 Strut Bracket                   | 1 pcs (1 ea) | 90-Start up Operation |           |
| 646.3910    | Shim                                  | 4 pcs (4 ea) | 90-Start up Operation |           |
| 646.3911    | Shim                                  | 1 pcs (1 ea) | 90-Start up Operation |           |



|                |                         |                 |                       |
|----------------|-------------------------|-----------------|-----------------------|
| 646.3912       | Shim                    | 4 pcs (4 ea)    | 90-Start up Operation |
| 646.3913       | Shim                    | 1 pcs (1 ea)    | 90-Start up Operation |
| 646.9410       | Shim                    | 1 pcs (1 ea)    | 90-Start up Operation |
| 647.0112       | Strut Bracket           | 2 pcs (2 ea)    | 90-Start up Operation |
| 647.7703       | Strut Assembly          | 2 pcs (2 ea)    | 90-Start up Operation |
| 650.9201       | Eyelet Bracket Assembly | 2 Ea (2 ea)     | 90-Start up Operation |
| AN3-11A        | Bolt                    | 10 Ea (10 ea)   | 90-Start up Operation |
| AN3-12A        | Bolt                    | 2 Ea (2 ea)     | 90-Start up Operation |
| AN3-13A        | Bolt                    | 1 Ea (1 ea)     | 90-Start up Operation |
| AN3-3A         | Bolt                    | 4 Ea (4 ea)     | 90-Start up Operation |
| AN3-4A         | Bolt                    | 10 Ea (10 ea)   | 90-Start up Operation |
| AN3-5A         | Bolt                    | 2 Ea (2 ea)     | 90-Start up Operation |
| AN3-6A         | Bolt                    | 2 Ea (2 ea)     | 90-Start up Operation |
| AN316C4R       | Nut, Jam                | 2 Ea (2 ea)     | 90-Start up Operation |
| AN44-5A        | Eyebolt                 | 2 Ea (2 ea)     | 90-Start up Operation |
| AN4C7A         | Bolt                    | 2 Ea (2 ea)     | 90-Start up Operation |
| AN665-34R      | Clevis                  | 2 Ea (2 ea)     | 90-Start up Operation |
| CCR264SS3-02   | Cherry Rivet            | 36 Ea (36 ea)   | 90-Start up Operation |
| CR3213-5-3     | Cherry Rivet            | 14 Ea (14 ea)   | 90-Start up Operation |
| MS20426AD5-7   | Rivet                   | 2 Ea (2 ea)     | 90-Start up Operation |
| MS20470AD5-5.5 | Rivet                   | 8 Ea (8 ea)     | 90-Start up Operation |
| MS20470AD5-6   | Rivet                   | 8 Ea (8 ea)     | 90-Start up Operation |
| MS20470AD5-7   | Rivet                   | 3 Ea (3 ea)     | 90-Start up Operation |
| MS21042L08     | Nut                     | 2 Ea (2 ea)     | 90-Start up Operation |
| MS21042L3      | Nut                     | 63 Ea (63 ea)   | 90-Start up Operation |
| MS21042L4      | Nut                     | 2 Ea (2 ea)     | 90-Start up Operation |
| MS21047-3      | Nut Plate               | 18 Ea (18 ea)   | 90-Start up Operation |
| MS24693-C278   | Screw                   | 5 Ea (5 ea)     | 90-Start up Operation |
| MS24694-S51    | Screw                   | 5 Ea (5 ea)     | 90-Start up Operation |
| MS24694-S54    | Screw                   | 2 Ea (2 ea)     | 90-Start up Operation |
| MS24694-S55    | Screw                   | 3 Ea (3 ea)     | 90-Start up Operation |
| MS27039-08-13  | Screw                   | 2 Ea (2 ea)     | 90-Start up Operation |
| MS27039-1-10   | Screw                   | 2 Ea (2 ea)     | 90-Start up Operation |
| MS27039-1-12   | Screw                   | 6 Ea (6 ea)     | 90-Start up Operation |
| MS27039-1-16   | Screw                   | 24 Ea (24 ea)   | 90-Start up Operation |
| MS27039-1-19   | Screw                   | 22 Ea (22 ea)   | 90-Start up Operation |
| MS27039-1-20   | Screw                   | 2 Ea (2 ea)     | 90-Start up Operation |
| MS27039-1-21   | Screw                   | 4 Ea (4 ea)     | 90-Start up Operation |
| NAS1149F0332P  | Washer                  | 144 Ea (144 ea) | 90-Start up Operation |
| NAS1149F0363P  | Washer                  | 2 Ea (2 ea)     | 90-Start up Operation |
| NAS1149F0432P  | Washer                  | 4 Ea (4 ea)     | 90-Start up Operation |
| NAS1149FN832P  | Washer                  | 4 Ea (4 ea)     | 90-Start up Operation |

See attached for

#### Job Allocations

| Operation             | Component Part | Required | Inventory | Allocated |
|-----------------------|----------------|----------|-----------|-----------|
| 90-Start up Operation | 600.0129       | 8        | 216       | 0         |
|                       | 600.0990       | 1        | 20        | 0         |
|                       | 600.0991       | 1        | 20        | 0         |
|                       | 600.1012       | 1        | 23        | 0         |
|                       | 600.1013       | 5        | 56        | 0         |
|                       | 646.2910       | 1        | 19        | 0         |
|                       | 646.3001       | 1        | 0         | 0         |
|                       | 646.3110       | 1        | 20        | 0         |
|                       | 646.3210       | 1        | 13        | 0         |
|                       | 646.3301       | 1        | 5         | 0         |
|                       | 646.3510       | 1        | 16        | 0         |
|                       | 646.3511       | 1        | 16        | 0         |
|                       | 646.3610       | 1        | 12        | 0         |
|                       | 646.3710       | 1        | 25        | 0         |
|                       | 646.3711       | 1        | 12        | 0         |
|                       | 646.3712       | 1        | 15        | 0         |
|                       | 646.3713       | 1        | 19        | 0         |
|                       | 646.3714       | 1        | 18        | 0         |
|                       | 646.3715       | 2        | 7         | 0         |
|                       | 646.3716       | 1        | 11        | 0         |

|                |     |       |   |
|----------------|-----|-------|---|
| 646.3717       | 1   | 17    | 0 |
| 646.3718       | 2   | 14    | 0 |
| 646.3719       | 2   | 6     | 0 |
| 646.3810       | 2   | 9     | 0 |
| 646.3811       | 1   | 1     | 0 |
| 646.3812       | 2   | 8     | 0 |
| 646.3813       | 1   | 8     | 0 |
| 646.3910       | 4   | 33    | 0 |
| 646.3911       | 1   | 16    | 0 |
| 646.3912       | 4   | 5     | 0 |
| 646.3913       | 1   | 11    | 0 |
| 646.9410       | 1   | 73    | 0 |
| 647.0112       | 2   | 88    | 0 |
| 647.7703       | 2   | 20    | 0 |
| 650.9201       | 2   | 31    | 0 |
| AN3-11A        | 10  | 267   | 0 |
| AN3-12A        | 2   | 74    | 0 |
| AN3-13A        | 1   | 45    | 0 |
| AN3-3A         | 4   | 271   | 0 |
| AN3-4A         | 10  | 242   | 0 |
| AN3-5A         | 2   | 347   | 0 |
| AN3-6A         | 2   | 443   | 0 |
| AN316C4R       | 2   | 36    | 0 |
| AN44-5A        | 2   | 33    | 0 |
| AN4C7A         | 2   | 107   | 0 |
| AN665-34R      | 2   | 32    | 0 |
| CCR264SS3-02   | 36  | 883   | 0 |
| CR3213-5-3     | 14  | 173   | 0 |
| MS20426AD5-7   | 2   | 879   | 0 |
| MS20470AD5-5.5 | 8   | 945   | 0 |
| MS20470AD5-6   | 8   | 813   | 0 |
| MS20470AD5-7   | 3   | 70    | 0 |
| MS21042L08     | 2   | 1,586 | 0 |
| MS21042L3      | 63  | 3,110 | 0 |
| MS21042L4      | 2   | 3,945 | 0 |
| MS21047-3      | 18  | 253   | 0 |
| MS24693-C278   | 5   | 116   | 0 |
| MS24694-S51    | 5   | 202   | 0 |
| MS24694-S54    | 2   | 153   | 0 |
| MS24694-S55    | 3   | 173   | 0 |
| MS27039-08-13  | 2   | 461   | 0 |
| MS27039-1-10   | 2   | 431   | 0 |
| MS27039-1-12   | 6   | 145   | 0 |
| MS27039-1-16   | 24  | 1,156 | 0 |
| MS27039-1-19   | 22  | 745   | 0 |
| MS27039-1-20   | 2   | 68    | 0 |
| MS27039-1-21   | 4   | 6     | 0 |
| NAS1149F0332P  | 144 | 3,844 | 0 |
| NAS1149F0363P  | 2   | 446   | 0 |
| NAS1149F0432P  | 4   | 1,543 | 0 |
| NAS1149FN832P  | 4   | 1,986 | 0 |

### Part Specifications

Specifications could not be found.





Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

008407

**646.4001**  
**Job Sheet 190106**



**Part No:** 646.4001

**Job Qty:** 1 ea

**Part Name:** AS350 Cable Cutter System



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 2/5/19

**Job Tracking No:**

**Due Date:** 3/8/19

**Created By:** Marie Lajeunesse

**Type:** Stock

**Description:**

**Note:** DWG REV C1 IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM IPP REV:B 15.01.08 AS PER DWG REV.B DD VERF:JLM IPP REV:C 16.01.07 AS PER DWG REV.C DD VERF:JLM

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation          | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | MAR 01 2019<br>Sign-off |
|-------|--------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|-------------------------|
|       |                    |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |                         |
| 90    | Start up Operation | 1 Ea  | 3/8/19     | 3/8/19   | 0.00      | 0.00    | Start Up Stores/Pkg-1 |           |                         |
| 110   | Packaging          | 1 pcs | 3/8/19     | 3/8/19   | 0.00      | 0.00    | Packaging1-1          |           |                         |
| 120   | QC                 | 1 pcs | 3/8/19     | 3/8/19   | 0.00      | 0.00    | QC4                   |           |                         |
| 130   | Packaging          | 1 pcs | 3/8/19     | 3/8/19   | 0.00      | 0.00    | Packaging3-1          |           |                         |
| 135   | DC                 | 1 pcs | 3/8/19     | 3/8/19   | 0.00      | 0.00    | DC                    |           |                         |
| 140   | QC21-FG            | 1 Ea  | 3/8/19     | 3/8/19   | 0.00      | 0.00    | QC21                  |           |                         |

Part Op 130 - Identify and pack for shipping as per PPP 646.4001 Location: \_\_\_\_\_  
Descriptions: 135 - Photocopy bluefile & type labels per PPP 646.4001

### Job BOM

| Part / Item | Component Name                        | Quantity     | Operation             | Container |
|-------------|---------------------------------------|--------------|-----------------------|-----------|
| 600.0129    | VHB Tape                              | 8 ft (8 ea)  | 90-Start up Operation | 5019004   |
| 600.0990    | Magnabond 6398 Part A Size 112 ml     | 1 Ea (1 ea)  | 90-Start up Operation | 5139403   |
| 600.0991    | Magnabond 6398 Part B Size 112 ml     | 1 Ea (1 ea)  | 90-Start up Operation | 5139402   |
| 600.1012    | Sealant PR1425B2 (#654 sem)           | 1 pcs (1 ea) | 90-Start up Operation | 5133296   |
| 600.1013    | 021200-3M Tape Primer 94 Primer 24216 | 5 Ea (5 ea)  | 90-Start up Operation | 5136234   |
| 646.2910    | Deflector                             | 1 pcs (1 ea) | 90-Start up Operation | 5093821   |
| 646.3001    | Lower Cable Cutter Assembly           | 1 pcs (1 ea) | 90-Start up Operation | 5159178   |
| 646.3110    | Channel                               | 1 Ea (1 ea)  | 90-Start up Operation | 5154342   |
| 646.3210    | Support                               | 1 Ea (1 ea)  | 90-Start up Operation | 5131207   |
| 646.3301    | Upper Cutter Assembly                 | 1 pcs (1 ea) | 90-Start up Operation | 5159082   |
| 646.3510    | Strut                                 | 1 Ea (1 ea)  | 90-Start up Operation | 5127740   |
| 646.3511    | Strut                                 | 1 Ea (1 ea)  | 90-Start up Operation | 5127662   |
| 646.3610    | Filler                                | 1 pcs (1 ea) | 90-Start up Operation | 5131480   |
| 646.3710    | Doubler                               | 1 pcs (1 ea) | 90-Start up Operation | 5059684   |
| 646.3711    | Clip                                  | 1 pcs (1 ea) | 90-Start up Operation | 5063746   |
| 646.3712    | Clip                                  | 1 pcs (1 ea) | 90-Start up Operation | 5128050   |
| 646.3713    | Gusset                                | 1 Ea (1 ea)  | 90-Start up Operation | 5124418   |
| 646.3714    | Gusset                                | 1 pcs (1 ea) | 90-Start up Operation | 5145099   |
| 646.3715    | Strut Doubler                         | 2 pcs (2 ea) | 90-Start up Operation | 5139095   |
| 646.3716    | Gauge Bracket                         | 1 pcs (1 ea) | 90-Start up Operation | 5063780   |

Exp 6/30  
2019  
Exp 09/19



**Container No: S164930**



**Part: 646.4001**

**Job No: 190106**

**Serial No/Batch: S164930**

**Revision:**

**Inspector:**

**Exp Date: 08/18/2019**

**Instructions: FAA STC SR02180LA 14/08/07 TC SH09 -**

**Dart Aerospace Ltd.**  
1270 Aberdeen Street  
Hawkesbury, ON K64 1K7  
CANADA  
TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com



|                |                         |                 |                       |                |         |
|----------------|-------------------------|-----------------|-----------------------|----------------|---------|
| 646.3717       | Doubler                 | 1 pcs (1 ea)    | 90-Start up Operation | 5082377        |         |
| 646.3718       | Custom Washer           | 2 pcs (2 ea)    | 90-Start up Operation | 5145123        |         |
| 646.3719       | Doubler                 | 2 pcs (2 ea)    | 90-Start up Operation | 5143724        |         |
| 646.3810       | Bracket                 | 2 pcs (2 ea)    | 90-Start up Operation | 5150081        |         |
| 646.3811       | Radius Block            | 1 pcs (1 ea)    | 90-Start up Operation | 5070843        |         |
| 646.3812       | Gusset Bracket          | 2 pcs (2 ea)    | 90-Start up Operation | 5150415        |         |
| 646.3813       | AS350 Strut Bracket     | 1 pcs (1 ea)    | 90-Start up Operation | 5131319        |         |
| 646.3910       | Shim                    | 4 pcs (4 ea)    | 90-Start up Operation | 5128166        |         |
| 646.3911       | Shim                    | 1 pcs (1 ea)    | 90-Start up Operation | 5133609        |         |
| 646.3912       | Shim                    | 4 pcs (4 ea)    | 90-Start up Operation | 5124372        |         |
| 646.3913       | Shim                    | 1 pcs (1 ea)    | 90-Start up Operation | 5041498        |         |
| 646.9410       | Shim                    | 1 pcs (1 ea)    | 90-Start up Operation | 5056998        |         |
| 647.0112       | Strut Bracket           | 2 pcs (2 ea)    | 90-Start up Operation | 5133711        |         |
| 647.7703       | Strut Assembly          | 2 pcs (2 ea)    | 90-Start up Operation | 5143539        |         |
| 650.9201       | Eyelet Bracket Assembly | 2 Ea (2 ea)     | 90-Start up Operation | 5131245        |         |
| AN3-11A        | Bolt                    | 10 Ea (10 ea)   | 90-Start up Operation | 5129968        |         |
| AN3-12A        | Bolt                    | 2 Ea (2 ea)     | 90-Start up Operation | 5095479        |         |
| AN3-13A        | Bolt                    | 1 Ea (1 ea)     | 90-Start up Operation | 5098032        |         |
| AN3-3A         | Bolt                    | 4 Ea (4 ea)     | 90-Start up Operation | 5131193        |         |
| AN3-4A         | Bolt                    | 10 Ea (10 ea)   | 90-Start up Operation | 5149178        |         |
| AN3-5A         | Bolt                    | 2 Ea (2 ea)     | 90-Start up Operation | 5149158        |         |
| AN3-6A         | Bolt                    | 2 Ea (2 ea)     | 90-Start up Operation | 5103950        |         |
| AN316C4R       | Nut, Jam                | 2 Ea (2 ea)     | 90-Start up Operation | 5133132        |         |
| AN44-5A        | Eyebolt                 | 2 Ea (2 ea)     | 90-Start up Operation | 5131212        |         |
| AN4C7A         | Bolt                    | 2 Ea (2 ea)     | 90-Start up Operation | 5071343        |         |
| AN665-34R      | Clevis                  | 2 Ea (2 ea)     | 90-Start up Operation | 5142147        |         |
| CCR264SS3-02   | Cherry Rivet            | 36 Ea (36 ea)   | 90-Start up Operation | 5133189        |         |
| CR3213-5-3     | Cherry Rivet            | 14 Ea (14 ea)   | 90-Start up Operation | 5130137        |         |
| MS20426AD5-7   | Rivet                   | 2 Ea (2 ea)     | 90-Start up Operation | FM133922-36    |         |
| MS20470AD5-5.5 | Rivet                   | 8 Ea (8 ea)     | 90-Start up Operation | FM134063       |         |
| MS20470AD5-6   | Rivet                   | 8 Ea (8 ea)     | 90-Start up Operation | 5048897        |         |
| MS20470AD5-7   | Rivet                   | 3 Ea (3 ea)     | 90-Start up Operation | 5123425        |         |
| MS21042L08     | Nut                     | 2 Ea (2 ea)     | 90-Start up Operation | 5080644        |         |
| MS21042L3      | Nut                     | 63 Ea (63 ea)   | 90-Start up Operation | 5130343        |         |
| MS21042L4      | Nut                     | 2 Ea (2 ea)     | 90-Start up Operation | 5148814        |         |
| MS21047-3      | Nut Plate               | 18 Ea (18 ea)   | 90-Start up Operation | 5152873        |         |
| MS24693-C278   | Screw                   | 5 Ea (5 ea)     | 90-Start up Operation | 5065341        |         |
| MS24694-S51    | Screw                   | 5 Ea (5 ea)     | 90-Start up Operation | 5123459        |         |
| MS24694-S54    | Screw                   | 2 Ea (2 ea)     | 90-Start up Operation | 5152667        |         |
| MS24694-S55    | Screw                   | 3 Ea (3 ea)     | 90-Start up Operation | 5099526        |         |
| MS27039-08-13  | Screw                   | 2 Ea (2 ea)     | 90-Start up Operation | 5123932        |         |
| MS27039-1-10   | Screw                   | 2 Ea (2 ea)     | 90-Start up Operation | 5148665        |         |
| MS27039-1-12   | Screw                   | 6 Ea (6 ea)     | 90-Start up Operation | 5124664        |         |
| MS27039-1-16   | Screw                   | 24 Ea (24 ea)   | 90-Start up Operation | 5104364        |         |
| MS27039-1-19   | Screw                   | 22 Ea (22 ea)   | 90-Start up Operation | 5155666        | 5142052 |
| MS27039-1-20   | Screw                   | 2 Ea (2 ea)     | 90-Start up Operation | 5094554        |         |
| MS27039-1-21   | Screw                   | 4 Ea (4 ea)     | 90-Start up Operation | 5104011        |         |
| NAS1149F0332P  | Washer                  | 144 Ea (144 ea) | 90-Start up Operation | 5134693x22 515 | 7648x6  |
| NAS1149F0363P  | Washer                  | 2 Ea (2 ea)     | 90-Start up Operation | 5075330        |         |
| NAS1149F0432P  | Washer                  | 4 Ea (4 ea)     | 90-Start up Operation | 5152652        |         |
| NAS1149FN832P  | Washer                  | 4 Ea (4 ea)     | 90-Start up Operation | 5143716        |         |

## Job Allocations

| Operation             | Component Part | Required | Inventory | Allocated |
|-----------------------|----------------|----------|-----------|-----------|
| 90-Start up Operation | 600.0129       | 8        | 80        | 0         |
|                       | 600.0990       | 1        | 18        | 0         |
|                       | 600.0991       | 1        | 18        | 0         |
|                       | 600.1012       | 1        | 18        | 0         |
|                       | 600.1013       | 5        | 91        | 0         |
|                       | 646.2910       | 1        | 6         | 0         |
|                       | 646.3001       | 1        | 2         | 0         |
|                       | 646.3110       | 1        | 3         | 0         |
|                       | 646.3210       | 1        | 8         | 0         |
|                       |                |          |           |           |



|                |     |       |   |
|----------------|-----|-------|---|
| 646.3301       | 1   | 2     | 0 |
| 646.3510       | 1   | 23    | 0 |
| 646.3511       | 1   | 23    | 0 |
| 646.3610       | 1   | 19    | 0 |
| 646.3710       | 1   | 32    | 0 |
| 646.3711       | 1   | 19    | 0 |
| 646.3712       | 1   | 22    | 0 |
| 646.3713       | 1   | 26    | 0 |
| 646.3714       | 1   | 25    | 0 |
| 646.3715       | 2   | 21    | 0 |
| 646.3716       | 1   | 18    | 0 |
| 646.3717       | 1   | 24    | 0 |
| 646.3718       | 2   | 28    | 0 |
| 646.3719       | 2   | 20    | 0 |
| 646.3810       | 2   | 23    | 0 |
| 646.3811       | 1   | 8     | 0 |
| 646.3812       | 2   | 22    | 0 |
| 646.3813       | 1   | 15    | 0 |
| 646.3910       | 4   | 61    | 0 |
| 646.3911       | 1   | 23    | 0 |
| 646.3912       | 4   | 33    | 0 |
| 646.3913       | 1   | 18    | 0 |
| 646.9410       | 1   | 80    | 0 |
| 647.0112       | 2   | 50    | 0 |
| 647.7703       | 2   | 14    | 0 |
| 650.9201       | 2   | 45    | 0 |
| AN3-11A        | 10  | 187   | 0 |
| AN3-12A        | 2   | 128   | 0 |
| AN3-13A        | 1   | 52    | 0 |
| AN3-3A         | 4   | 219   | 0 |
| AN3-4A         | 10  | 354   | 0 |
| AN3-5A         | 2   | 393   | 0 |
| AN3-6A         | 2   | 495   | 0 |
| AN316C4R       | 2   | 44    | 0 |
| AN44-5A        | 2   | 39    | 0 |
| AN4C7A         | 2   | 103   | 0 |
| AN665-34R      | 2   | 20    | 0 |
| CCR264SS3-02   | 36  | 437   | 0 |
| CR3213-5-3     | 14  | 187   | 0 |
| MS20426AD5-7   | 2   | 935   | 0 |
| MS20470AD5-5.5 | 8   | 101   | 0 |
| MS20470AD5-6   | 8   | 878   | 0 |
| MS20470AD5-7   | 3   | 91    | 0 |
| MS21042L08     | 2   | 1,217 | 0 |
| MS21042L3      | 63  | 2,782 | 0 |
| MS21042L4      | 2   | 3,451 | 0 |
| MS21047-3      | 18  | 207   | 0 |
| MS24693-C278   | 5   | 51    | 0 |
| MS24694-S51    | 5   | 237   | 0 |
| MS24694-S54    | 2   | 14    | 0 |
| MS24694-S55    | 3   | 194   | 0 |
| MS27039-08-13  | 2   | 485   | 0 |
| MS27039-1-10   | 2   | 241   | 0 |
| MS27039-1-12   | 6   | 197   | 0 |
| MS27039-1-16   | 24  | 328   | 0 |
| MS27039-1-19   | 22  | 219   | 0 |
| MS27039-1-20   | 2   | 102   | 0 |
| MS27039-1-21   | 4   | 38    | 0 |
| NAS1149F0332P  | 144 | 3,048 | 0 |
| NAS1149F0363P  | 2   | 469   | 0 |
| NAS1149F0432P  | 4   | 616   | 0 |
| NAS1149FN832P  | 4   | 3,162 | 0 |

### Part Specifications

Specifications could not be found.

Plex 2/5/19 9:47 AM Dart.lajeunesse.marie



Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |              |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                        |              |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | MRB (QSI042) |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Disposition            |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Completed By           |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Lead hand / Supervisor |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | QC / QA Coordinator    |              |  |
| <b>Root Cause</b><br><br><div style="display: flex; flex-direction: column; align-items: flex-start;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Preservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div style="width: 50%;"> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div style="width: 50%;"> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div style="width: 50%;"> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |                        |              |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |              |  |

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE EXPLICIT WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

# NOTES:

1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.

2 INSTALL F/N 14 WITH F/N 52 & 53.

3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE  
VENDOR: MCMASTER-CARR P/N 75935A651.

4 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE.  
VENDOR: R.S. HUGHES P/N 021200-24216.

5 REUSE FASTENERS FROM F/N 1.

6 USE WASHERS A/R AS SHIMS TO OBTAIN BEST FITMENT.

7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.

8 INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT. REMOVE SHIM LAYERS TO ACHIEVE CORRECT SIZE. MATCH DRILL HOLES. USE F/N 78 SCREW IN PLACE OF F/N 17 SCREW.

9 NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 & F/N 26 IN PLACE OF F/N 41 WHEN NECESSARY.

## UNINCORPORATED ECN(S)

05304

|   |      |      |    |          |                       |                 |  |
|---|------|------|----|----------|-----------------------|-----------------|--|
| 5 | 5    | 5    | 78 | 601.3875 | SCREW                 | AN3-12A         |  |
| 1 | 1    | 1    | 77 | 646.9410 | SHIM                  | AN3-12A         |  |
|   | 4    | 4    | 76 | 601.2764 | WASHER                | AN3-12A         |  |
|   | 2    | 2    | 75 | 601.2973 | LOCKNUT               | MS21042-08      |  |
|   | 2    | 2    | 74 | 601.2988 | SCREW                 | MS27039-0813    |  |
|   | 2    | 2    | 73 | 601.2943 | LOCKNUT               | MS21042-0       |  |
|   | 2    | 2    | 72 | 601.3128 | NUT                   | AN3-16CAR       |  |
|   | 2    | 2    | 71 | 601.3209 | LOCKNUT               | MS21042-0       |  |
|   | 4    | 4    | 70 | 601.2638 | WASHER                | NAS1149F0450P   |  |
|   | 2    | 2    | 69 | 601.2669 | BOLT                  | AN407A          |  |
|   | 2    | 2    | 68 | 601.3119 | CLEVIS                | AN565-34R       |  |
|   | 2    | 2    | 67 | 601.3121 | EYE BOLT              | AN44-5A         |  |
|   | 2    | 2    | 66 | 650.9201 | EYE BRACKET ASSY      |                 |  |
|   | REF  | REF  | 65 | 647.5701 | GPS MOUNT KIT         |                 |  |
|   |      | 2    | 64 | 601.3151 | WASHER                | NAS1149F0365P   |  |
|   |      | 2    | 63 | 601.2911 | SCREW                 | MS2469A553      |  |
|   | 24   | 24   | 62 | 601.2637 | SCREW                 | MS27039-1-16    |  |
| 2 | 2    | 2    | 61 | 601.2763 | BOLT                  | AN3-12A         |  |
|   | 1    | 1    | 60 | 646.3913 | SHIM                  |                 |  |
|   | 4    | 4    | 59 | 646.3912 | SHIM                  |                 |  |
|   | 1    | 1    | 58 | 646.3911 | SHIM                  |                 |  |
|   | 4    | 4    | 57 | 646.3910 | SHIM                  |                 |  |
|   | 5    | 5    | 56 | 600.1013 | PRIMER                |                 |  |
|   | 8 FT | 8 FT | 55 | 600.0129 | VHB TAPE              |                 |  |
|   | 1    | 1    | 54 | 600.1012 | SEALANT               | PR-1405 CLASS B |  |
|   | 1    | 1    | 53 | 600.0991 | MAGNOBOND 6398 PART B |                 |  |
|   | 1    | 1    | 52 | 600.0990 | MAGNOBOND 6398 PART A |                 |  |
| 6 | 10   | 10   | 51 | 601.2826 | BOLT                  | AN3-11A         |  |
|   |      | 2    | 50 | 646.3914 | SHIM                  |                 |  |
|   |      | 2    | 49 | 601.2910 | SCREW                 | MS27039-1-1R    |  |
|   | 2    | 2    | 48 | 601.1365 | SCREW                 | MS27039-1-1D    |  |
|   | 2    | 2    | 47 | 646.3719 | DOUBLER               |                 |  |
|   | 2    | 2    | 46 | 646.3718 | CUSTOM WASHER         |                 |  |
|   | 1    | 1    | 45 | 646.3717 | DOUBLER               |                 |  |
|   | 22   | 22   | 44 | 601.1948 | SCREW                 | MS27039-1-19    |  |
|   | 2    | 2    | 43 | 601.1952 | SCREW                 | MS27039-1-20    |  |
|   | 4    | 4    | 42 | 601.1956 | SCREW                 | MS27039-1-21    |  |

| REVISIONS |                                              |            |          |      |             |                                            |               |
|-----------|----------------------------------------------|------------|----------|------|-------------|--------------------------------------------|---------------|
| REV.      | DESCRIPTION                                  | DATE       | APPROVED | REV. | DESCRIPTION | DATE                                       | APPROVED      |
| A         | INCORPORATED ECN 05304, 05305, 05306 & 05307 | 03/06/2013 | P. BRAVO | 1    | 601.2829    | SCREW                                      | MS2469A554    |
| B         | INCORPORATED ECN 05304, 05305, 05306 & 05307 | 11/04/2014 | P. BRAVO | 2    | 601.2831    | RIVET                                      | MS20426AD5-7  |
| C         | INCORPORATED ECN 05308                       | 07/07/2015 | P. BRAVO | 3    | 646.3716    | GAUGE BRACKET                              |               |
|           |                                              |            |          | 4    | 601.1953    | SCREW                                      | MS27039-1-12  |
|           |                                              |            |          | 5    | 646.3715    | STRUT DOUBLER                              |               |
|           |                                              |            |          | 6    | 601.2824    | BOLT                                       | AN3-5A        |
|           |                                              |            |          | 7    | 601.2277    | RIVET                                      | CCRM485-3-70  |
|           |                                              |            |          | 8    | 600.0795    | NUTPLATE                                   | MS21047-3     |
|           |                                              |            |          | 9    | 601.2565    | RIVET                                      | MS20470AD5-7  |
|           |                                              |            |          | 10   | 646.3813    | STRUT BRACKET                              |               |
|           |                                              |            |          | 11   | 601.2822    | BOLT                                       | AN3-3A        |
|           |                                              |            |          | 12   | 646.3812    | GUSSET BRACKET                             |               |
|           |                                              |            |          | 13   | 601.2564    | RIVET                                      | MS20470AD5-6  |
|           |                                              |            |          | 14   | 646.3714    | GUSSET                                     |               |
|           |                                              |            |          | 15   | 646.3610    | FILLER                                     |               |
|           |                                              |            |          | 16   | 601.2830    | SCREW                                      | MS2469A555    |
|           |                                              |            |          | 17   | 601.2825    | BOLT                                       | AN3-5A        |
|           |                                              |            |          | 18   | 646.3811    | RADIUS BLOCK                               |               |
|           |                                              |            |          | 19   | 646.3712    | CLIP                                       |               |
|           |                                              |            |          | 20   | 646.3711    | CLIP                                       |               |
|           |                                              |            |          | 21   | 601.2832    | RIVET                                      | MS20470AD5-5  |
|           |                                              |            |          | 22   | 601.2020    | RIVET                                      | CR3213-5-3    |
|           |                                              |            |          | 23   | 601.2823    | BOLT                                       | AN3-4A        |
|           |                                              |            |          | 24   | 601.2827    | BOLT                                       | AN3-13A       |
|           |                                              |            |          | 25   | 601.2912    | SCREW                                      | MS2469A553    |
|           |                                              |            |          | 26   | 646.3713    | GUSSET                                     |               |
|           |                                              |            |          | 27   | 646.3210    | SUPPORT                                    |               |
|           |                                              |            |          | 28   | 646.3710    | DOUBLER                                    |               |
|           |                                              |            |          | 29   | 646.3110    | CHANNEL                                    |               |
|           |                                              |            |          | 30   | 601.1624    | LOCKNUT                                    | MS21042-3     |
|           |                                              |            |          | 31   | 601.1607    | WASHER                                     | NAS1149F0302P |
|           |                                              |            |          | 32   | 646.3410    | LH WIPER DEFLECTOR                         |               |
|           |                                              |            |          | 33   | 646.3411    | RH WIPER DEFLECTOR                         |               |
|           |                                              |            |          | 34   | 647.7703    | STRUT ASSY                                 |               |
|           |                                              |            |          | 35   | 647.0112    | STRUT BRACKET                              |               |
|           |                                              |            |          | 36   | 646.3511    | STRUT                                      |               |
|           |                                              |            |          | 37   | 646.3510    | STRUT                                      |               |
|           |                                              |            |          | 38   | 646.3810    | BRACKET                                    |               |
|           |                                              |            |          | 39   | 646.2910    | DEFLECTOR                                  |               |
|           |                                              |            |          | 40   | 646.3301    | LOWER CUTTER ASSY                          |               |
|           |                                              |            |          | 41   | 646.3301    | UPPER CUTTER ASSY                          |               |
|           |                                              |            |          | 42   | 646.4006    | LOWER CUTTER FIXED PROVISIONS KIT          |               |
|           |                                              |            |          | 43   | 646.4005    | LOWER CUTTER REMOVABLE PROVISIONS KIT      |               |
|           |                                              |            |          | 44   | 646.4004    | FIXED PROVISIONS KIT                       |               |
|           |                                              |            |          | 45   | 646.4003    | CABLE CUTTERS KIT WITHOUT FIXED PROVISIONS |               |
|           |                                              |            |          | 46   | 646.4002    | AS350 WIPER DEFLECTOR KIT                  |               |
|           |                                              |            |          | 47   | 646.4001    | AS350 CABLE CUTTERS KIT                    |               |

|                            |                         |
|----------------------------|-------------------------|
| QTY                        | AS350 CABLE CUTTERS KIT |
| NEXT ASSY (S)              |                         |
| APPROVAL DATE              | 08-27-06                |
| DRAWN BY                   | J. BRAVO                |
| CHECKED BY                 | J. BRAVO                |
| DESIGNED BY                | J. BRAVO                |
| CONTRACT NO.               |                         |
| UNLESS OTHERWISE SPECIFIED |                         |
| DIMENSIONS ARE IN INCHES   |                         |
| TOLERANCES ARE:            |                         |
| 3 PLACE DECIMAL: ±.005     |                         |
| 2 PLACE DECIMAL: ±.010     |                         |
| ANGLES: ±.5°               |                         |
| SHEET                      | 07M26                   |
| DWG. NO.                   | 646.4000                |
| SCALE                      | NONE                    |
| SHEET                      | 1 OF 5                  |

**DART** 9030 ENTERPRISE CT., SUITE A  
VISTA, CA 92081  
(760) 724-5300  
APICAL INDUSTRIES INC.  
DBA DART AEROSPACE

AS350 CABLE CUTTERS KIT